

ABSTRACT

In a wireless communication system a method for combination transmission of packet data and low delay data. In one embodiment a parallel signaling channel provides a message to receivers indicating a target recipient of packet data. The message also identifies the transmission channels used for packet data transmissions. Each receiver may then selectively decode only packets where the message identifies the receiver as a target recipient. The data packets stored in a buffer are ignored if the target recipient is another mobile unit. In one embodiment, the message is sent concurrently with the data packet on a parallel channel. In one embodiment, the message is punctured into the high rate packet data transmission.